

WHAT IS CLAIMED IS:

1. A manufacturing method of a liquid crystal display device provided with a pair of substrates and a liquid crystal retained between the pair of the substrates, comprising the
5 steps of:
forming a seal material that surrounds a pixel area provided over a first substrate;
discharging a plurality of droplets containing a liquid crystal only over a region of the first substrate, the region being surrounded by the seal material;
pasting the first substrate to a second substrate; and
10 dividing the pasted pair of the substrates.

2. A manufacturing method of a liquid crystal display device provided with a pair of substrates and a liquid crystal retained between the pair of the substrates, comprising the steps of:
15 discharging a plurality of droplets containing a liquid crystal only over a region of a first substrate, the region being surrounded by the seal material;
pasting a second substrate that is patterned with a seal material to the first substrate; and
dividing the pasted pair of the substrates.

3. A manufacturing method of a liquid crystal display device provided with a pair of substrates and a liquid crystal retained between the pair of the substrates, comprising the steps of:
20 patterning a first substrate and a second substrate with a seal material;
forming a first liquid crystal layer by selectively discharging a plurality of droplets containing a liquid crystal over the first substrate;
forming a second liquid crystal layer by selectively discharging a plurality of

droplets containing a liquid crystal over the second substrate; and

pasting the first substrate and second substrate so that the first and second liquid crystal layers contact and overlap one another.

5 4. A manufacturing method of a liquid crystal display device according to claim 1, wherein the plurality of droplets is discharged over a pixel electrode provided over a pixel area from a plurality of nozzles.

 5. A manufacturing method of a liquid crystal display device according to claim 2,
10 wherein the plurality of droplets is discharged over a pixel electrode provided over a pixel area from a plurality of nozzles.

 6. A manufacturing method of a liquid crystal display device according to claim 3, wherein the plurality of droplets is discharged over a pixel electrode provided over a pixel
15 area from a plurality of nozzles.

 7. A manufacturing method of a liquid crystal display device according to claim 1, wherein the step of discharging the plurality of droplets containing the liquid crystal is carried out while the first substrate is heated.
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 8. A manufacturing method of a liquid crystal display device according to claim 2, wherein the step of discharging the plurality of droplets containing the liquid crystal is carried out while the first substrate is heated.

25 9. A manufacturing method of a liquid crystal display device according to claim 3, wherein the step of discharging the plurality of droplets containing the liquid crystal is carried out while the first substrate is heated.

10. A manufacturing method of a liquid crystal display device according to claim 1, wherein the steps of pasting the pair of the substrates is carried out in an inert atmosphere under an atmospheric pressure, or under reduced pressure.

5 11. A manufacturing method of a liquid crystal display device according to claim 2, wherein the steps of pasting the pair of the substrates is carried out in an inert atmosphere under an atmospheric pressure, or under reduced pressure.

12. A manufacturing method of a liquid crystal display device according to claim
10 3, wherein the steps of pasting the pair of the substrates is carried out in an inert atmosphere under an atmospheric pressure, or under reduced pressure.

13. A manufacturing method of a liquid crystal display device according to claim
1, wherein the plurality of droplets containing the liquid crystal are discharged on a pixel
15 electrode under reduced pressure, and a liquid crystal layer is formed with the droplets of the liquid crystal applied to the pixel electrode.

14. A manufacturing method of a liquid crystal display device according to claim
2, wherein the plurality of droplets containing the liquid crystal are discharged on a pixel
20 electrode under reduced pressure, and a liquid crystal layer is formed with the droplets of the liquid crystal applied to the pixel electrode.

15. A manufacturing method of a liquid crystal display device according to claim
1, wherein the step of discharging the plurality of the droplets containing the liquid crystal
25 is preformed in an inert atmosphere under 1×10^2 Pa to 2×10^4 Pa.

16. A manufacturing method of a liquid crystal display device according to claim 2, wherein the step of discharging the plurality of the droplets containing the liquid crystal is preformed in an inert atmosphere under 1×10^2 Pa to 2×10^4 Pa.

5 17. A manufacturing method of a liquid crystal display device according to claim 3, wherein the step of discharging the plurality of the droplets containing the liquid crystal is preformed in an inert atmosphere under 1×10^2 Pa to 2×10^4 Pa.

10 18. A manufacturing method of a liquid crystal display device according to claim 1, wherein the step of discharging the plurality of the droplets containing the liquid crystal is preformed in a vacuum at 1 Pa to 5×10^4 Pa .

15 19. A manufacturing method of a liquid crystal display device according to claim 2, wherein the step of discharging the plurality of the droplets containing the liquid crystal is preformed in a vacuum at 1 Pa to 5×10^4 Pa .

20 20. A manufacturing method of a liquid crystal display device according to claim 3, wherein the step of discharging the plurality of the droplets containing the liquid crystal is preformed in a vacuum at 1 Pa to 5×10^4 Pa .

21. A manufacturing method of a liquid crystal display device according to claim 1, wherein the liquid crystal is applied intermittently.

25 22. A manufacturing method of a liquid crystal display device according to claim 2, wherein the liquid crystal is applied intermittently.

23. A manufacturing method of a liquid crystal display device according to claim 3, wherein the liquid crystal is applied intermittently.

24. A manufacturing method of a liquid crystal display device according to claim 1, wherein the liquid crystal is applied continuously.

25. A manufacturing method of a liquid crystal display device according to claim 2, wherein the liquid crystal is applied continuously.

26. A manufacturing method of a liquid crystal display device according to claim 3, wherein the liquid crystal is applied continuously.

27. A manufacturing method of a liquid crystal display device according to claim 1, wherein the liquid crystal display device is an active matrix type.

28. A manufacturing method of a liquid crystal display device according to claim 2, wherein the liquid crystal display device is an active matrix type.

29. A manufacturing method of a liquid crystal display device according to claim 3, wherein the liquid crystal display device is an active matrix type.

30. A manufacturing method of a liquid crystal display device according to claim 1, wherein the liquid crystal display device is a passive matrix type.

31. A manufacturing method of a liquid crystal display device according to claim 2, wherein the liquid crystal display device is a passive matrix type.

32. A manufacturing method of a liquid crystal display device according to claim 3, wherein the liquid crystal display device is a passive matrix type.

33. A manufacturing method of a liquid crystal display device according to claim 1, wherein the step of discharging the plurality of droplets containing the liquid crystal is carried out by ink jet.

34. A manufacturing method of a liquid crystal display device according to claim 2, wherein the step of discharging the plurality of droplets containing the liquid crystal is carried out by ink jet.

35. A manufacturing method of a liquid crystal display device according to claim 3, wherein the step of discharging the plurality of droplets containing the liquid crystal is carried out by ink jet.

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36. A liquid crystal display device, comprising :
a pair of substrates which are pasted together with a first seal material that surrounds a pixel area and a second seal material that surrounds the first seal material;
a liquid crystal retained in a region surrounded by the first seal material; and
a filler material formed between the first seal material and the second seal material.

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37. A liquid crystal display device according to claim 36, wherein the first seal material and the second seal material have closed patterns.

38. A liquid crystal display device according to claim 36, wherein a driver circuit is disposed between the first seal material and the second seal material.

39. A method according to claim 1, wherein the liquid crystal display device is incorporated with an electronic device selected from the group consisting of a personal computer, a mobile computer, a CD player, a DVD player, a portable book and a display device.

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40. A method according to claim 2, wherein the liquid crystal display device is incorporated with an electronic device selected from the group consisting of a personal computer, a mobile computer, a CD player, a DVD player, a portable book and a display device.

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41. A method according to claim 3, wherein the liquid crystal display device is incorporated with an electronic device selected from the group consisting of a personal computer, a mobile computer, a CD player, a DVD player, a portable book and a display device.

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42. An electronic device comprising the liquid crystal display device according to claim 36, wherein the electronic device is selected from the group consisting of a personal computer, a mobile computer, a CD player, a DVD player, a portable book and a display device.

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